

BILL NO. S-97-08 -04

SPECIAL ORDINANCE NO. A-76-97

AN ORDINANCE certifying and approving the need for the services of a consultant to provide professional engineering services for the preparation of a Facility Planning Study for the Water Pollution Control Plant.

WHEREAS, the Division of City Utilities desires to hire a consultant for professional engineering services to assist in the preparation of a Facility Planning Study for the Water Pollution Control Plant; and

WHEREAS, the City of Fort Wayne does not have the capability of performing this work with in-house forces; and

WHEREAS, it is anticipated that the amount to be paid to said consultant, on an annual basis, will be in excess of \$100,000.00.

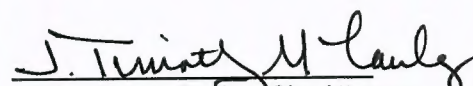
NOW, THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA:

SECTION 1. The Common Council of the City of Fort Wayne hereby certifies and approves the need for the services of a consultant to provide professional engineering services in the preparation of a Facility Planning Study for the Water Pollution Control Plant; and

SECTION 2. This Resolution shall be in full force and effect from and after its passage and any and all necessary approval by the Mayor.


Council Member

APPROVED AS TO FORM
AND LEGALITY


J. Timothy McCauley, City Attorney

DIGEST SHEET

TITLE OF ORDINANCE SPECIAL ORDINANCE

DEPARTMENT REQUESTING ORDINANCE _____

SYNOPSIS OF ORDINANCE APPROVES HIRING OF A CONSULTANT TO PREPARE A FACILITY
PLANNING STUDY FOR THE WATER POLLUTION CONTROL PLANT.

EFFECT OF PASSAGE CONSULTANT MAY BE HIRED

EFFECT OF NON-PASSAGE CONSULTANT WILL NOT BE HIRED


MONEY INVOLVED (DIRECT COSTS, EXPENDITURES, SAVINGS) _____

ASSIGNED TO COMMITTEE (PRESIDENT) _____

Memo

Date: August 1, 1997

To: Fort Wayne City Council

From: Greg Meszaros, Associate Director 

Re: **Water Pollution Control Plant Facilities Study**

Please find attached for your review a request regarding the need for a consultant to perform a facilities planning study for the Water Pollution Control Plant. Thank you in advance for your consideration.

**NEED FOR CONSULTANT
FACILITIES PLANNING STUDY
WATER POLLUTION CONTROL PLANT**

A. PROJECT BACKGROUND

City Utilities is requesting the need for engineering consulting services related to the undertaking and preparation of a Facility Planning Study for the Water Pollution Control Plant (WPCP).

City Utilities operates a 60 million gallon per day (MGD) activated sludge wastewater treatment facility discharging to the Maumee River. Liquid processes conveyance and treatment units include screening, grit removal, influent pumping, primary settling, activated sludge, secondary classification with chemical phosphorus removal, chlorination and effluent reaeration. Solids handling systems include centrifuge thickening of waste activated sludge, primary sludge pumping, scum handling, anaerobic digestion, and methane gas handling and storage. A portion of the City's wastewater collection system is served by combined sewers and, during wet weather periods, flows in excess of the WPCP's capacity are pumped to stormwater ponds for storage and handling prior to discharge to the Maumee River.

In addition, the City is responding to an Order from US EPA for combined sewer overflows (CSO) that required maximization of flows through the WPCP during wet weather periods. The City is currently completing a "stress" test to determine the maximum short and long duration treatment capacity of the facility. The WPCP has an influent pumping capacity of 60 MGD with one pump out of service and 72 MGD with all pumps in service. Preliminary findings of the "stress" test indicate that the activated sludge system has a maximum flow capacity between 81 to 90 MGD.

Memo
Fort Wayne City Council
August 1, 1997

B. PROJECT SCOPE

Major services to be provided are as follows:

1. Establish the current condition of existing structures, buildings, process-mechanical equipment, process piping, instrumentation and control equipment, electrical systems, current staff housing, maintenance area(s), administrative offices and building services systems.
2. Establish current wastewater flows and loadings based on analysis of plant operating data for the last 5 years.
3. Establish 20-year wastewater flows and pollutant loadings based on growth projections included in the 1995 Wastewater Facilities Master Plan. Identify flows and loadings for domestic and commercial industrial wastewater discharges. Establish design average, maximum month, maximum week and maximum daily pollutant loadings.
4. Perform engineering work necessary to establish the design flow of the treatment plant from the hydraulics capacity of the existing activated sludge system as determined by the "stress" test findings.
5. Assist the City in obtaining IDEM approval of the design wastewater flows and loadings determined by the "stress" test, including assistance with NPDES permit negotiations with IDEM.
6. Evaluate existing facilities, process and non-process, to determine plant improvements that will be in the best interest of the City. Facilities improvements are intended to result in economical and operational advantages to the City. Each improvement shall treat the determined design wastewater flow and pollutant loading to meet current proposed effluent limits and projected future effluent limits, considering impact of the Great Lakes Water Quality Initiative. Capital Improvements shall be addressed in terms of criticality, importance and necessity with emphasis on positive paybacks and other benefits to City. Evaluations will include development of alternatives, associated capital and present worth costs, operational considerations and evaluation of non-monetary factors.

mlg

Read the first time in full and on motion by Schmidt,
and duly adopted, read the second time by title and referred to the Committee on Finance, (and the City Plan Commission for recommendation)
and Public Hearing to be held after due legal notice, at the Common Council Conference
Room 128, City-County Building, Fort Wayne, Indiana, on _____,
the _____ day of _____, 19____, at _____
o'clock _____ M., E.S.T.

DATED: 8-12-97

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Read the third time in full and on motion by Schmidt,
and duly adopted, placed on its passage. PASSED
by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT
TOTAL VOTES	<u>8</u>			<u>1</u>
BENDER	<u>✓</u>			
CRAWFORD	<u>✓</u>			
EDMONDS	<u>✓</u>			
HALL	<u>✓</u>			
HAYHURST				<u>✓</u>
HENRY	<u>✓</u>			
LUNSEY	<u>✓</u>			
RAVINE	<u>✓</u>			
SCHMIDT	<u>✓</u>			

DATED: 8-26-97

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana,
as (ANNEXATION) _____ (APPROPRIATION) _____ (GENERAL) _____ (SPECIAL) _____
(ZONING) _____ ORDINANCE _____ RESOLUTION NO. S-76-97
on the 26th day of August, 19 97

ATTEST:
Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

SEAL
Thomas P. Helmke
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the
27th day of August, 19 97,
at the hour of 11:30 o'clock _____, P., E.S.T.

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Approved and signed by me this 28th day
of August, 19 97, at the hour of 1:00
o'clock _____ M., E.S.T.

P. Helmke
PAUL HELMKE, MAYOR

BILL NO. S-97-08-04

REPORT OF THE COMMITTEE ON FINANCE

DONALD J. SCHMIDT - JOHN N. CRAWFORD - CO-CHAIR
ALL COUNCIL MEMBERS

WE, YOUR COMMITTEE ON FINANCE TO WHOM WAS
REFERRED AN (ORDINANCE) (RESOLUTION) certifying and approving
the need for the services of a consultant to provide professional
engineering services for the preparation of a Facility Planning
Study for the Water Pollution Control Plant

HAVE HAD SAID (ORDINANCE) (RESOLUTION) UNDER CONSIDERATION
AND BEG LEAVE TO REPORT BACK TO THE COMMON COUNCIL THAT SAID
(ORDINANCE) (RESOLUTION)

<u>DO PASS</u>	<u>DO NOT PASS</u>	<u>ABSTAIN</u>	<u>NO REC</u>
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Thomas Hayburn

Martin A. Burch

John P. Long

Charles Cairns

John W. C. C. C.

Robert L. L.

Clarence R. Edmonds

DATED:

8-26-97.

Sandra E. Kennedy
City Clerk